Manufacturing Technology Training
An IMTMA initiative

Fundamentals of Product Quality Planning (APQP) & Implementation of the Production Part Approval Process (PPAP)
Date : 22 to 23 May, 2025
Venue : IMTMA Technology Centre, Hosur Industries Association, Housr, Hosur

INTRODUCTION

New Product Development assumes lot of significance and has become very much essential for sustaining business growth of industries. However often many costly mistakes and time delays happen in the new development of Products / Parts as well as processes.

APQP mitigates such risks by following a systematic approach & upfront actions to ensure first time right from the beginning. All OEMs now mandate the use of APQP as this system helps in the development of products/processes faster well in time, defect-free, and within budget.

PPAP is part of the APQP process and documents a series of agreements between the supplier and customer to ensure timely development and consistent quality supplies as per customer requirements. It is the successful culmination of the APQP process wherein Customer approval is obtained for going into mass production of a new product, or after product or process change.

Keeping this in view, Indian Machine Tool Manufacturers' Association jointly with Hosur Industries Association is organizing is organizing a training on **Fundamentals of Advanced Product Quality Planning (APQP) & Production Part Approval Process (PPAP).**

This program will help in achieving **"First Time Right"** development of parts resulting in consistent Quality, saving in time and cost as well as enhanced customer satisfaction.

FOCUS AREAS

Advanced Product Quality Planning (APQP) to define a process that creates a roadmap for developing new products complete with timebased milestones and decision points along the way.

- Fundamentals of APQP
- PDCA cycle in APQP
- Plan and Define Program (Phase 1)
- Product Design and Development (Phase 2)
- Process Design and Development (Phase 3)
- Product and Process Validation (Phase 4)
- Feedback, Assessment & Corrective Action (Phase 5)
- Control Plan Methodology
- Assignment on preparing APQP document

Production Part Approval Process (PPAP) provides a formal, standardized framework for customer-supplier communications regarding the

- specification and quality requirements for products, parts, and materials.
- Overview of PPAP
- Importance of PPAP & when to do?
- PPAP requirement details
- Levels of submission & Customer approval

KEY TAKE AWAYS

At the end of this program, the participants shall be able to:

- Good understanding of the APQP & PPAP structured methodology which is more process-oriented versus "check the box"
- Insights into metrics at each phase of new product development
- Understanding key inputs and deliverables at each stage of the APQP system
- Eliminate mistakes, reduce development time & costs thus achieving better customer satisfaction
- Good understanding of PPAP implementation for systematic validation of parts & process
- How to ensure ongoing consistent Quality of supplies by using PPAP Methodology
    - Preventing unapproved products from the production line reaching the customer

PARTICIPATION FEE

Rs. 10450/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 415/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company

PARTICIPANT PROFILE

This course is ideal for those who are responsible for product development, operations management, quality control, and engineering including department managers, supervisors, quality representatives, engineers, and administrative staff who have a focus on business improvement, performance, and profitability.

FACULTY

This Program will be conducted **by Mr. B S Mohan.**

Mr B.S Mohan, an engineer by profession, was associated with Bosch for over 27 years, as part of the quality department responsible for introduction, sustenance of Quality standards and quality tools in all Bosch plants across India. Prior to that, he was responsible for engineering and manufacturing gear pumps, process planning of elements, machine planning & procurement, New project coordination and Project management for electric power tools. In his last assignment at Bosch, he was the Quality head of the Automotive Electronics Plant at Bangalore.

He has earlier worked with Tata Motors for over 6 years and was responsible for Process planning of transmission components & assembly and Process planning of dies, jigs and fixtures.

He currently provides training on various quality aspects such as VDA 6.3, Systems audits as per IATF 16949, 8D problem solving, FMEA, SPC, MSA, Basic quality tools, Tooling management, APQP, PPAP and Project management.

For Registration Contact

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REGISTRATION : Prior registration for participation is necessary. Number of participants is limited and will be accepted on 'First Come First Serve' basis. A Certificate of participation will be issued to participants.
Important Information : Participation fee includes, course material, working lunch and tea / coffee. Interested companies are requested to register online by clicking on 'REGISTER' button and by filling up the nomination authority and participant's details in specified form.